

MASSACHUSETTS PLOUGHMAN

DEVOTED TO AGRICULTURE, HORTICULTURE, THE FARM, THE GARDEN.

AND NEW ENGLAND

LITERATURE, USEFUL ARTS, THE FARM, RURAL LIFE.

AGRICULTURE.

JOURNAL OF

It is supposed, the fully developed organism also multiply by fission, that is - dividing into two equal parts, each becomes a complete living organism. The bacteria are able to survive, some of them so small that measured with certain microscopes, they are the ferment of ordinary putrefaction is 0.0001 of an inch in diameter, it is a little longer, it is branched. The *Spirillum endosymbium* is 0.0001 of an inch in diameter, from 1-2,000 to 1,000 of an inch long, the *Micrococcus* are about 1-2,000 of an inch long, the *Streptococcus* are 1-2,000 of an inch long. The cells of the yeast plants are 1-3,000 of an inch in diameter. The spores and flagella are so extremely small that they are almost never seen except under the microscope. They enter often appear as bright dots from their reflecting light.

Prof. Dr. Cressey, Address with the following address following the address of the University of Tennessee, Knoxville, Tennessee.

AGRICULTURAL NOTES.

Seed corn must be thoroughly dried to be safe.

There is a large buckwheat crop throughout country.

Keep your cow warm. If she gets chilled
it will dry up.

The next Florida orange crop will even
fall after the last.

Undulow seeds are particularly relished
at this season.

Crawfish, snails and frogs are among the
exports of Oregon.

The long drought throughout the West
seems sadly disastrous.

Turnips are excellent food for sheep and
are the taste of mutton.

It is well to sow lettuce in the fall to pro-

A colt that has been early trained to a brisk walk is very valuable.

For forty years no rain has fallen in Fayette, North Carolina, on Oct. 16.

Mix sand with nuts which you wish to prevent their getting too dry.

Stalls should be made wide so that the animal can in no way cramp himself.

Sheep should have good shelter provided and not stay out in bad weather.

A little farm well tilted is better than acres neglected and run to waste.

Scrape strawberries grown in the open air now enjoyed in Sacramento, California.

There are twenty-five agricultural colleges

Over 200 agricultural societies in Bavaria, Germany, are now holding their annual meetings. The greenhouses should be gathered now before the ground freezes and snow covers them. Too many trees about a house shut out the sun and favor dampness which incites mildew. The Southdown and Blacktop Spanish are no favorites among sheep in this country. An open winter is predicted by those who look at the corn husks and the tints of the Goldens. Deep sheep should be fattened and sold early now. They ought not to be used. A few naxalex plants may easily be grown

Do not let animals graze too closely, as it is next year's grain crop and they will do it in the barn.

200,000 bushels of grain, produced in vicinity of Hueneme, California, will be used this year.

Hay in your stock of bran now. It is more than it will be soon and it will pay for it for future use.

If small seeds are sometimes lost by eaten after storing, a bit of gum camphor often prevent it.

The Holstein-Friesian cattle-breeders in United States number 3,000 and there are

It is far better to water animals in their pens in severe weather than to drive them into the open to obtain drink.

Subscribe now for a good agricultural paper and provide entertainment for the home during the winter evenings.

A disease which has recently broken out among the coffee shrubs, is greatly alarming the coffee planters in Brazil.

Give the "hired man" spare time occasionally to go into the house of a rainy day and read the papers.

Save and use your wood ashes. They are valuable for fertilizing and you cannot afford to sell them to soap men.

atoes in large quantities are being raised from the Provinces and Prince Edward Island to the United States.

From twenty-five to thirty bushels of beans are produced in Texas this year for \$1.25 to \$2 per bushel.

On every farm there should be a shop in all of the small jobs of repairing can be done. It will prove a great saving.

Of the 38,000,000 of the 38,000,000 inhabitants are engaged in agriculture. Agriculture is taught in all the National schools.

The wood pile should be supplied for the year before this month ends. It will be a saving of time and the wood is of better qual-

The New England apple orchard prepared for, is as profitable as the Florida orange grove. Both require years of cultivation and care.

Remove all old, worthless trees had better before the orchard now and used for firewood. The orchard will look better next spring and will pay.

Take down all bean poles, trellises and other things before the ground freezes. Burn all that is worthless, including dead vines, and start over for the next year.

the purchase of machinery or trees, the purchase necessitates a mortgage of farm bower slight.

Sheep dairying is a growing industry in Denmark, where there is an increasing demand for butter and milk produced by sheep. It is said to be whiter, but sweeter, than cow milk.

The potato and wheat crop in England and Ireland is very short and not more than a third of that demand for home consumption is had for British farmers but good news for American farmers.

1996 Indian families have engaged in agriculture for the first time this year. They are

of land. In this respect Commissioner
's report is encouraging.

